

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Last update of file: 2003/01/29 (YYYY/MM/DD) 2003-04/UP (basic update)

Search statement 1

?us5995221/pn

** SS 1: Results 1

Search statement 2

?prt fu legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5995221 A 19991130 [US5995221]
TI - (A) Modified concentric spectrograph
PA - (A) INSTR S A INC (US)
IN - (A) SLUTTER WARREN S (US); JIANG WU (US); THEVENON ALAIN F R (FR);
MILLET VIVIANE D (FR); GOLDSTONE JEREMY J (US)
AP - US88441797 19970627 [1997US-0884417]
PR - US3920797P 19970228 [1997US-P039207]
- US88441797 19970627 [1997US-0884417]
IC - (A) G01J-003/28
EC - G01J-003/18
PCL - ORIGINAL (O) : 356326000
DT - Corresponding document
CT - US2594334; US2835167; US2975669; US3490848; US3909134; US3930728;
US3985443; US4027975; US4087183; US4241999; US4300835; US4312569;
US4455088; US4575242; US4618260; US5066127; FR2653879; JP57-49822;
JP62-49308
- J. Thomas Brownrigg, "Design and performance of a miniature dual-beam
diode-array spectrometer," Spectroscopy, vol. 10, Iss. 9 (Nov.-Dec.,
1995), pp. 39-44.

L. Mertz, Concentric Spectrographs, "Applied Optics," vol. 16, No. 12
(Dec. 1977), pp. 3122-3124.

STG - (A) United States patent

AB - A modified concentric spectrograph for diffracting light with high
stray light rejection without astigmatism is provided. The modified
spectrograph includes a grating, a lens, and at least one entrance
port and one exit port. The grating has a concave surface and a
meridian plane with a first side and a second side. The lens has a
substantially planar surface and a convex surface. Preferably, the
convex and concave surfaces are substantially concentric. The ports
are substantially located on different sides of the meridian plane
near a focal plane of the spectrograph. The position of a focal plane
may be modified using an optically transmissive triangular prism with
a reflective surface, and an optically transmissive block. The
position of a focal plane may further be modified with one or more
optically transmissive plates. Methods for using the spectrograph are
also provided.

1/1 LGST - (C) LEGSTAT

1/29/03

US 5,995,221

09/998002

PN - US 5995221 [US5995221]
DT - US-P
ACT - 20020702 US/RF
REISSUE APPLICATION FILED
20011130
UP - 2002-30

1/1 CRXX - (C) CLAIMS/RRX
AN - 3247224
PN - 5,995,221 A 19991130 [US5995221]
PA - Instruments S A Inc
PT - E (Electrical)
ACT - 20010423 REASSIGNED
CHANGE OF NAME

Assignor: INSTRUMENTS S.A., INC. DATE SIGNED: 11/10/1999

Assignee: JOBIN YVON, INC. 3880 PARK AVENUE EDISON, NEW JERSEY 08820

Reel 011731/Frame 0529

Contact: FISH & NEAVE JEFFREY H. INGERMAN, ESQ. 1251 AVENUE OF THE
AMERICAS NEW YORK, NY 10020

- 20011130 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020702
REISSUE REQUEST NUMBER: 09/998002
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2876

Reissue Patent Number:

UP - 2000-48
UACT- 2002-07-02
URAS- 2001-09-11

1/2 PAST - (C) Thomson Derwent
AN - 200227-001790
PN - 5995221 A [US5995221]
DT - A (UTILITY)
OG - 2002-07-02
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

2/2 PAST - (C) Thomson Derwent
AN - 200048-000024
PN - 5995221 A [US5995221]
DT - A (UTILITY)
OG - 2000-11-28
CO - COR
ACT - CERTIFICATE OF CORRECTION
SH - CERTIFICATE OF CORRECTION

Search statement 2

?file inpadoc

Selected file: INPADOC

You are now connected to INPADOC
Covers 1968/1973 thru weekly updates (2003-04)
For information on content, (..)INFO INPD.

Search statement 1

?fam us5995221/pn

1 Patent Groups
** SS 1: Results 4

Search statement 2

?famstate nonstop

1/4 INPADOC - (C) INPADOC
PN - EP 862050 A3 20000412 [EP-862050]
TI - MODIFIED CONCENTRIC SPECTROGRAPH
LA - ENG
IN - SLUTTER WARREN S [US]; MILLET VIVIANE D [FR]; JIANG WU [US]; GOLDSTONE
JEREMY J [US]; THEVENON ALAIN F R [FR]
PA - INSTR S A INC [US]
AP - EP 98301487/98-A 19980227 [1998EP-0301487]
PR - US 39207/97-P 19970228 [1997US-P039207]
- US 884417/97-A 19970627 [1997US-0884417]
IC - G01J-003/18
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE*

1/1 LEGALI - (C) LEGSTAT
PN - EP 862050 [EP-862050]
AP - EP 98301487/98 19980227 [1998EP-0301487]
DT - EP-P
ACTE- 19980227 EP/AE-A
EP-APPLICATION
{EP 98301487/98 19980227 [1998EP-0301487]}
- 19980902 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
- 19980902 EP/AX [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI
- 19980902 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
- 20000412 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
- 20000412 EP/AX [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI
- 20000412 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)
- 20001220 EP/AKX [+]

1/29/03

US 5,995,221

09/998002

PAYMENT OF DESIGNATION FEES
- 20010125 EP/REG; DE/8566 [-]
DE: DESIGNATED COUNTRY DE NOT LONGER VALID
<DE>
- 20010711 EP/18D [-]
DEEMED TO BE WITHDRAWN
20001013
UP - 2001-28

2/4 INPADOC - (C) INPADOC
PN - EP 862050 A2 19980902 [EP-862050]
TI - MODIFIED CONCENTRIC SPECTROGRAPH
LA - ENG
IN - SLUTTER WARREN S [US]; MILLET VIVIANE D [FR]; JIANG WU [US]; GOLDSTONE
JEREMY J [US]; THEVENON ALAIN F R [FR]
PA - INSTR S A INC [US]
AP - EP 98301487/98-A 19980227 [1998EP-0301487]
PR - US 39207/97-P 19970228 [1997US-P039207]
- US 884417/97-A 19970627 [1997US-0884417]
IC - G01J-003/18
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE*

1/1 LEGALI - (C) LEGSTAT
PN - EP 862050 [EP-862050]
AP - EP 98301487/98 19980227 [1998EP-0301487]
DT - EP-P
ACTE- 19980227 EP/AE-A
EP-APPLICATION
{EP 98301487/98 19980227 [1998EP-0301487]}
- 19980902 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
- 19980902 EP/AX [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI
- 19980902 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
- 20000412 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
- 20000412 EP/AX [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI
- 20000412 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)
- 20001220 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
- 20010125 EP/REG; DE/8566 [-]
DE: DESIGNATED COUNTRY DE NOT LONGER VALID
<DE>
- 20010711 EP/18D [-]
DEEMED TO BE WITHDRAWN
20001013
UP - 2001-28

3/4 INPADOC - (C) INPADOC

1/29/03

US 5,995,221

09/998002

PN - JP 10293062 A2 19981104 [JP10293062]
TI - IMPROVED CONCENTRIC SPECTROGRAPH, METHOD FOR DISPERSING LIGHT, AND
METHOD FOR DIFFRACTING TWO BEAMS
IN - SLUTTER WARREN S; JIANG WU; AREIN F R SEBENON; MILLET VIVIANE D;
GOLDSTONE JEREMY J
PA - INSTR SA INC
AP - JP 48359/98-A 19980227 [1998JP-0048359]
PR - US 39207/97-P 19970228 [1997US-P039207]
- US 884417/97-A 19970627 [1997US-0884417]
IC - G01J-003/18; G02B-005/18; G02B-013/00

4/4 INPADOC - (C) INPADOC

PN - US 5995221 A 19991130 [US5995221]
TI - MODIFIED CONCENTRIC SPECTROGRAPH
IN - SLUTTER WARREN S [US]; JIANG WU [US]; THEVENON ALAIN F R [FR]; MILLET
VIVIANE D [FR]; GOLDSTONE JEREMY J [US]
PA - INSTR S A INC [US]
AP - US 884417/97-A 19970627 [1997US-0884417]
PR - US 884417/97-A 19970627 [1997US-0884417]
- US 39207/97-P 19970228 [1997US-P039207]
IC - G01J-003/28

1/1 LEGALI - (C) LEGSTAT

PN - US 5995221 [US5995221]
DT - US-P
ACTE- 20020702 US/RF
REISSUE APPLICATION FILED
20011130
UP - 2002-30